

MILITARY SPECIFICATION

CONNECTOR, PLUG, ELECTRICAL, SERIES PULSE, TYPE UG-180A/U

This specification has been approved by the Department of Defense and is mandatory for use by the Departments of the Army, the Navy, and the Air Force.

1. SCOPE

1.1 This specification covers the detail requirements for type UG-180A/U series pulse, electrical plug connector. The Military part number for type UG-180A/U connector is M3607/7-01.

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

SPECIFICATION

MILITARY

MIL-C-3607 - Connectors, Coaxial, Radiofrequency, Series Pulse, General Specification for.

DRAWINGS

BUREAU

BUREAU OF SHIPS

REA10035 - Spring.
REA10037 - Washer.
REA10471 - Collar.
REA10473 - Clamp Shell.
REA10474 - Washer.
REA10475 - Gasket.
REA10476 - Ferrule.
REA10489 - Contact.
REA10490 - Contact.
REA10500 - Bushing.
REA10517 - Coupling Nut.
REB10036 - Washer.
REB10459 - Body.
REB10481 - Body.
REB10479 - Clamp.
RFB10514 - Insulator.

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

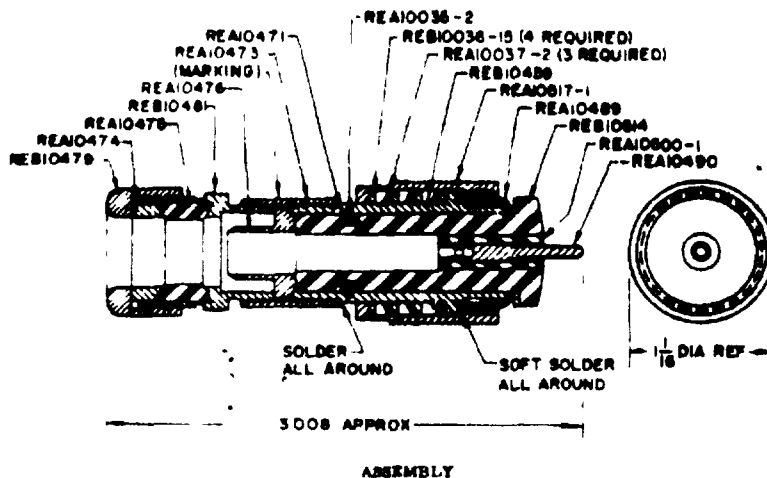
3. REQUIREMENTS

3.1 Requirements.- Requirements shall be in accordance with MIL-C-3607, and as specified herein.

3.2 Design and construction.- The electrical plug connector shall be of the design, construction, and physical dimensions specified on figure 1.

4. QUALITY ASSURANCE PROVISIONS

4.1 Sampling and inspection.- Sampling and inspection shall be in accordance with MIL-C-3607, and as specified herein.



NOTES

- 1 All dimensions in inches
- 2 Tolerances are $\pm 1/64$ on fractions and ± 0.005 on decimals
- 3 Contacts, REA10489 and REA10490, shall have a silver plating of not less than 0.0002 inch thick. Spring, REA10035-2, and Collar, REA10471, shall not be plated. All other metal parts shall have a tin plating of not less than 0.0002 inch thick.

Figure 1 - Type UG-180A/U electrical plug connector
(Military Part No. M3607/7-01)

4.2 Leakage. - The leakage test is not applicable.

4.3 Dielectric withstanding voltage. - The test voltage for the dielectric-withstanding-voltage-test shall be 9,000 volts, root mean square.

5. PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with MIL-C-3607.

6. NOTES

6.1 Notes. - In addition to the notes specified herein, the notes specified in MIL-C-3607 are applicable to this specification.

6.2 Intended use. - Electrical plug connector, type UG-180A/U, is designed for use with radiofrequency pulse cables RG-25/U, -26/U, -64/U, and -88/U.

6.3 This specification covers the design of electrical plug connector, type UG-180A/U, which was previously covered by Drawing REB49184.

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Army - EL
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Preparing Activity
Navy - Ships
(Project 5935-093)